

Livestock Production and Technologies

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Commentary

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DESCRIPTION

The livestock sector globally is extremely dynamic. In developing countries, it's evolving in response to rapidly increasing demand for livestock products. In developed countries, demand for livestock products is stagnating, while many production systems are increasing their efficiency and environmental sustainability. Historical changes within the demand for livestock products are largely driven by human increment, income growth and urbanization and also the production response in several livestock systems has been related to science and technology similarly as increases in animal numbers. Within the future, production will increasingly be tormented by competition for natural resources, particularly land and water, competition between food and feed and by the necessity to work during a carbon-constrained economy. Developments in breeding, nutrition and animal health will still contribute to increasing potential production and further efficiency and genetic gains. Livestock production is probably going to be increasingly tormented by carbon constraints and environmental and animal welfare legislation. Demand for livestock products within the future might be heavily moderated by socio-economic factors like human health concerns and changing socio-cultural values. There's considerable uncertainty on how these factors will play go in different regions of the world within the coming decades. Of the traditional techniques, selection among breeds or crosses could be a one-off process, during which the foremost appropriate breed or breed cross is chosen, but further improvement will be made only selectively within the population. Cross-breeding, widespread in commercial production, exploits the complementarity of various breeds or strains and makes use of

